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Please amend the claims as follows:

1. A temperature-compensated fiber grating package comprising:

a base having first and second spaced arms extending from said base and including a first material having a first coefficient of thermal expansion;

a strut disposed between and substantially perpendicular to said first and second arms,

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said strut including a second material having a second coefficient of thermal expansion less than said first coefficient of thermal expansion and having a first end in contact with an interior surface of said first arm to define a first fulcrum point, and a second end in contact with an interior surface of said second arm to define a second fulcrum point; and

an optical fiber having a Bragg grating formed therein, said optical fiber having a first portion adjacent a first end of said Bragg grating being affixed to said first arm and a second portion adjacent a second end of said Bragg grating being affixed to said second arm, said Bragg grating thereby being disposed between said first and second arms, at least one of said first and second arms thereby flexing about at least one of said fulcrum points to provide a temperature-dependent axial

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Cont. stress on said Bragg grating to substantially compensate for temperature-dependant variations of a Bragg wavelength of said Bragg grating.

19. A method of making a temperature-compensated grating package comprising:

providing a base including first and second spaced arms extending from the base and having a first material having a first coefficient of thermal expansion;

A2 providing a strut substantially perpendicular to and between said first and second arms, said strut having a first end in contact with an interior surface of said first arm to define a first fulcrum point, and a second end in contact with an interior surface of said second arm to define a second fulcrum point, said strut including a second material having a second coefficient of thermal expansion less than said first coefficient of thermal expansion;

affixing a first portion of an optical fiber to said first arm and a second portion of said optical fiber to said second arm; and

forming a Bragg grating in said optical fiber between said first and second arms.

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20. A method of making a temperature-compensated grating package comprising:

providing a base including first and second spaced arms extending from the base and having a first material having a first coefficient of thermal expansion;

providing a strut substantially perpendicular to and between said first and second arms, said strut having a first end in contact with an interior surface of said first arm, and a second end in contact with an interior surface of said second arm, said strut including a second material having a second coefficient of thermal expansion less than said first coefficient of thermal expansion;

providing an optical fiber with a Bragg grating formed therein;

heating said base, said strut, and said Bragg grating to a temperature which provides a Bragg wavelength of said Bragg grating which is at least substantially equivalent to a desired Bragg wavelength, said temperature being above an intended use temperature of said package;

affixing said optical fiber to said base with said Bragg grating disposed between said first and second arms while maintaining said base, said strut, and said Bragg grating at said temperature; and

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cooling said base, said strut and said Bragg grating.

21. A method of making a temperature-compensated grating package comprising:

providing a base including first and second spaced arms extending from the base and having a first material having a first coefficient of thermal expansion;

providing a strut substantially perpendicular to and between said first and second arms, said strut having a first end in contact with an interior surface of said first arm, and a second end in contact with an interior surface of said second arm, said strut including a second material having a second coefficient of thermal expansion less than said first coefficient of thermal expansion;

providing an optical fiber with a Bragg grating formed therein, said Bragg grating having an initial Bragg wavelength which is longer than a desired Bragg wavelength;

affixing said optical fiber to said first and second arms using a bonding material, said Bragg grating being disposed between said first and second arms;

heating at least one of said base, said bonding material, said strut, and said fiber to achieve stress relaxation in said Bragg grating;

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allowing said at least one of said base, said bonding material, said strut and said fiber to cool; and

repeating said heating and cooling steps until said desired Bragg wavelength of said Bragg grating is observed.

22. A method of making a temperature-compensated grating package comprising:

providing a base including first and second spaced arms extending from the base and having a first material having a first coefficient of thermal expansion;

Q2 providing a strut substantially perpendicular to and between said first and second arms, said strut having a first end in contact with an interior surface of said first arm to define a first fulcrum point, and a second end in contact with an interior surface of said second arm to define a second fulcrum point, said strut including a second material having a second coefficient of thermal expansion less than said first coefficient of thermal expansion;

providing an optical fiber with a Bragg grating formed therein;

affixing said optical fiber to said base with said Bragg grating disposed between said first and second arms; and